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Dixon

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[54] THREE CELL WIRELESS
COMMUNICATION SYSTEM

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beyond the expiration date of Pat. No.
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5,640,674, Continuation-in-part of Ser. No. 682,050, Apr. 8,
1991, Pat. No. 5,402,413.
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337

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[57] ABSTRACT

A wireless communication system including a repeated pattern of cells, in which base station transmitters and user station transmitters for each cell may be assigned a spread-spectrum code for modulating radio signal communication in that cell. Radio signals used in that cell are spread across a bandwidth sufficiently wide that both base station receivers and user station receivers in an adjacent cell may distinguish communication which originates in one cell from another. Adjacent cells may use distinguishable frequencies and distinguishable codes, but it is sufficient if adjacent cells use distinguishable frequencies and identical codes. A repeated pattern of cells allows the codes each to be reused in a plurality of cells.

20 Claims, 2 Drawing Sheets

